



Focus Area Work Session


Monitoring and Maintenance

Weldon Spring Site
Interpretive Center
February 5, 2003



Agenda

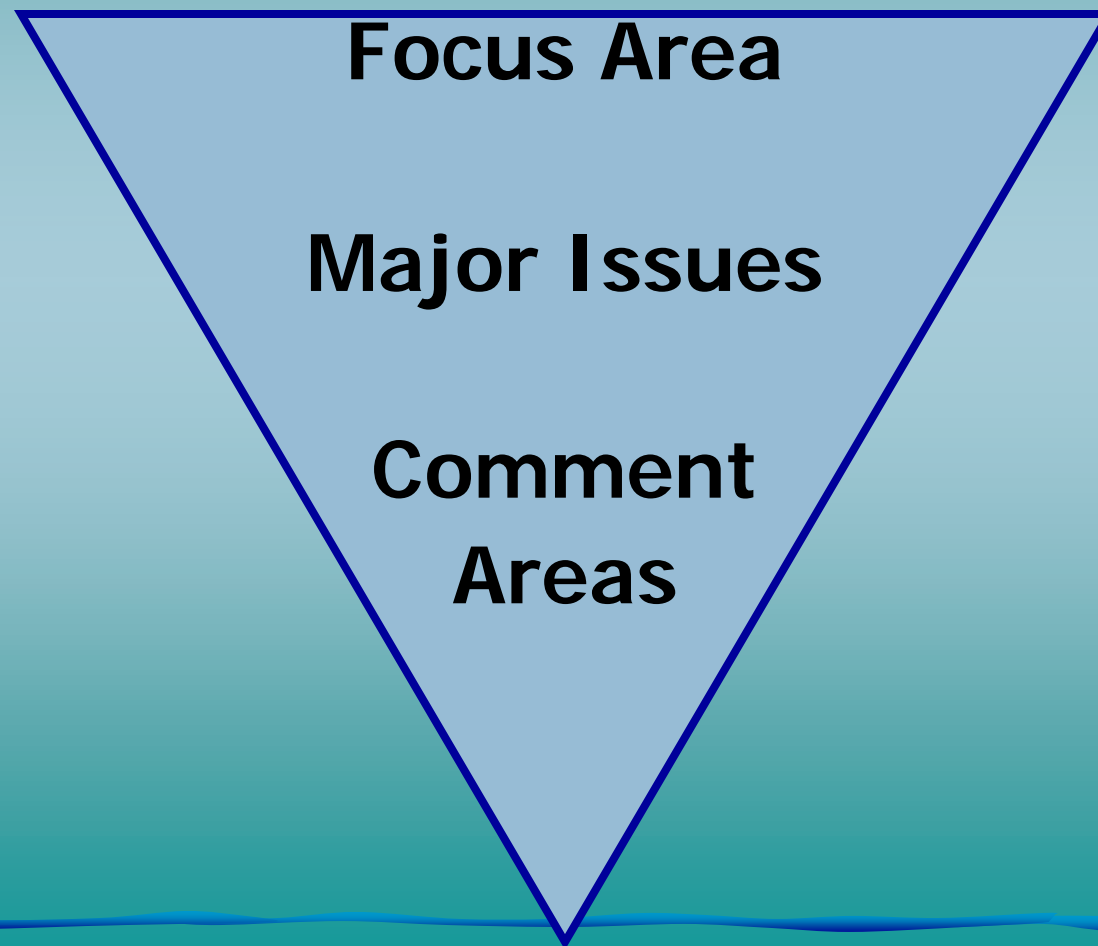
- 6:00 p.m. Demonstration of On-Line Document Retrieval and Geographic Information Systems
- 7:00 p.m. Welcome, Pam Thompson
Stewardship Program Reorganization, Dave Geiser
Results of the December 5, 2002, Work Session;
Objective of Work Session; Work Session Process,
Ray Plienness
- 7:10 p.m. Major Issue 1: Monitoring and Operations
- Introduction
 - Monitoring Groundwater and Springs
 - Monitoring the Leachate Collection-and-Removal System
- 7:50 p.m. Ten-minute break



Agenda (continued)

- 8:00 p.m. Major Issue 2: Annual Site Inspections/Maintenance
- Introduction
 - Disposal Cell
 - Institutional Controls
 - 5-Year Reviews
- 8:40 p.m. Update on Weldon Spring Project
Remediation and Transition Activities and Schedule,
Pamela Thompson
- 8:50 p.m. Closing Comments, Ray Plienness and Dave Geiser
- 9:00 p.m. Adjourn

Weldon Spring Site Stewardship Work Session Discussion Plan





Weldon Spring Site Stewardship Work Session Discussion Plan

- Focus Area
 - DOE is hosting three Focus Area sessions
 - October 23, 2002: Communication and Public Participation
 - December 5, 2002: Land Use and Institutional Controls and Homeland Security
 - February 5, 2003: Monitoring and Maintenance



Weldon Spring Site Stewardship Work Session Discussion Plan

- Major Issues
 - Each Major Issue was developed as a means to capture most of the Focus Area comments and consolidate them into a few Major Issues to promote general understanding of concerns and to facilitate communication between DOE and the public on common themes



Weldon Spring Site Stewardship Work Session Discussion Plan

- Comment Areas
 - Each Comment Area describes significant comments in more detail under a Major Issue, which should allow resolution of the majority of comments without discussing individual comments

Major Issue 1: Monitoring and Operations

Comments relating to Monitoring and Operations:

A-54, 75, 109, 110, 125, 126, 128, 130, 131, 134, 135, 136, 137, 149, 155, 165, 170, 171, 174, 175, 176, 177, 179, 180, 181, 182, 183, 184, 186, 189, 190, 191, 193, 194, 196, 198, 203, 279, 280, 282; B-22, 33, 43, 44, 46, 47, 48, 49; F-13, 14, 15, 16; H-3, 24, 25, 26, 28, 29, 30; I-2; J-4, 5, 6, 8, 9, 10, 12, 14, 15, 18, 23, 53, 54, 59; K-14, 15, 20, 21, 22; L-56, 67, 72, 84, 89, 91, 92, 94, 95, 134, 135, 137, 138, 139, 140, 141, 143, 144, 145, 146, 147, 149, 150, 151, 152, 154, 155, 163, 166, 170, 171, 172, 173, 174, 178, 186

Major Issue 1 (continued)

- Comment Areas
 - How did DOE determine required monitoring locations, frequencies, and analytes?
 - What baseline values, background values, and standards will DOE use to compare monitoring results?
 - What plan will guide monitoring before the *Long-Term Stewardship Plan* is finalized?
 - What other agencies will conduct monitoring and for what purposes?
 - How will stakeholders obtain monitoring results and well information?
 - How will DOE use monitoring results?
 - How will DOE respond to unexpected or out-of-compliance monitoring results?
 - Can DOE revise monitoring requirements?

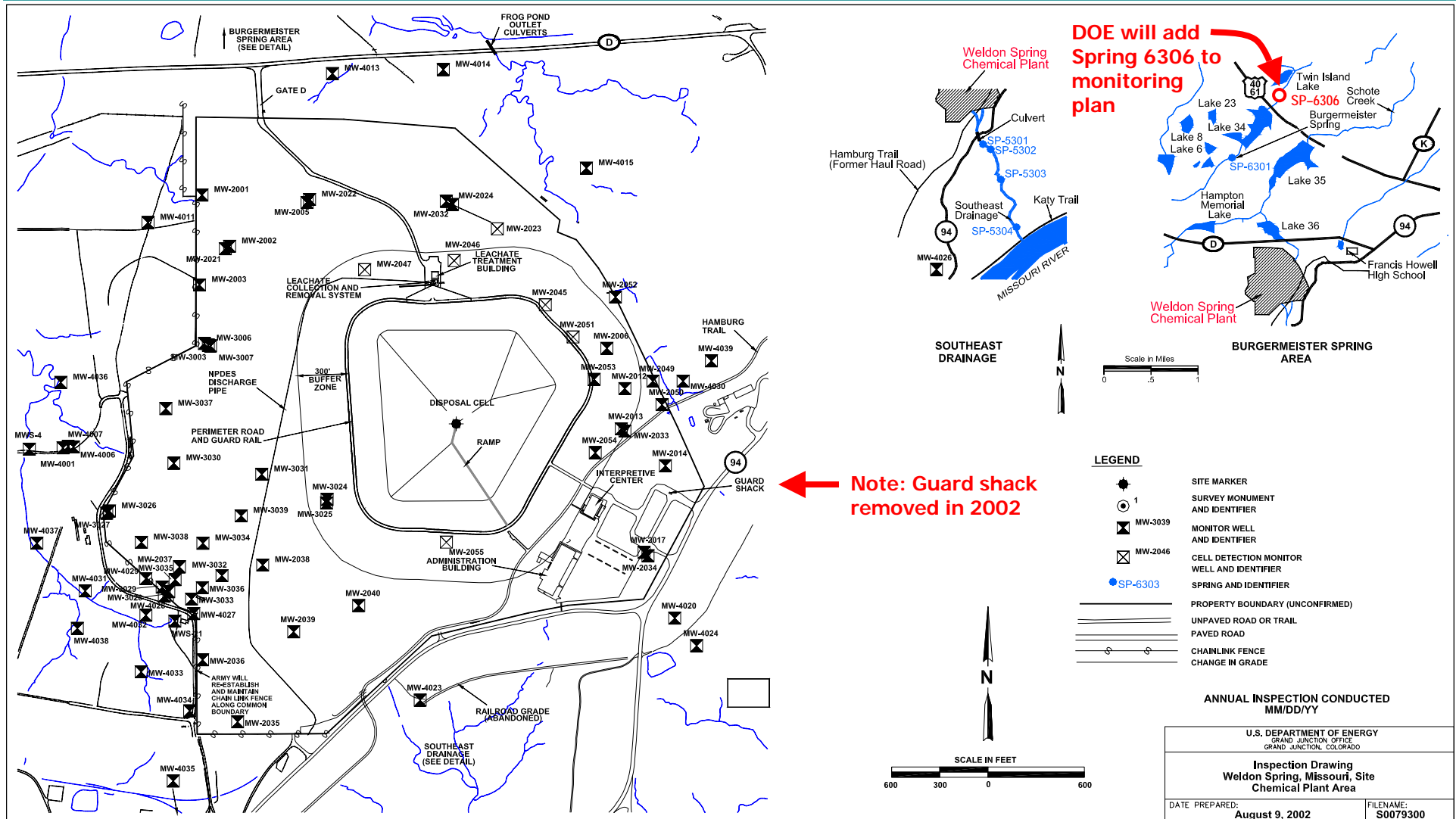


Major Issue 1 (continued)

Monitoring requirements at the Weldon Spring Site

- Environmental monitoring plan
 - Development of baseline data and current monitoring parameters
 - Tracking and trending of data
- Surface water, groundwater, and spring monitoring
 - Disposal cell
 - Former Chemical Plant area
 - Former quarry area
- GEMS on-line database

Note: This drawing is based on the drawing in the August 9, 2002, draft *Long-Term Stewardship Plan*



Inspection Base Map for the Chemical Plant Area of the Weldon Spring, Missouri, Site

Major Issue 1 (continued)

Operations: Leachate Collection-and-Removal System

- Purpose
 - Controlled pathway for leachate collection
- Components
 - Inside the cell
 - Outside the cell
- Operation
 - Flow monitoring and system maintenance
- Long-term issues
 - Changes in leachate quality and quantity
 - Information reporting

Major Issue 2: Annual Site Inspections/Maintenance

Comments relating to Annual Site Inspections/Maintenance:

A-138, 152, 156, 161, 163, 202, 204, 205, 234, 236, 237, 238, 239, 253, 255, 256, 260, 272; B-5, 32, 34, 35, 39, 40, 42, 50, 51; E-16, 21; H-12, 15, 17, 18; J-2, 3, 20, 22; K-18, 19, 23, 25; L-17, 19, 22, 23, 24, 27, 31, 102, 104, 108, 113, 116, 118, 119, 120, 121, 122, 123, 124, 125, 126, 129, 130, 132, 136, 142, 156, 158

Major Issue 2 (continued)

- Comment Areas
 - Will DOE conduct radon monitoring at the disposal cell?
 - What will be inspected annually, including anticipated changes to the disposal cell over time?
 - Are 5-year reviews appropriate and adequate?
 - What types of unanticipated maintenance activity could indicate a need to review a remedy selection?



Major Issue 2 (continued)

Disposal Cell

- Routine maintenance
 - Vegetation control on disposal cell cover and in the buffer zone
 - Disposal cell ramp
 - Sign replacement
- Non-routine maintenance
 - Repair erosion at Chemical Plant or quarry
 - Repair leachate collection-and-removal system data recorders
 - Disposal cell settlement or rock degradation

Major Issue 2 (continued)

Institutional Controls (ICs)

- IC review activities to be conducted annually
 - IC areas will be visually inspected
 - Agencies associated with each IC will be contacted and issues discussed
 - IC documentation will be reviewed at St. Charles County government offices as appropriate
 - Interpretive Center annual usage summary report will be prepared

Major Issue 2 (continued)

5-Year Reviews

- CERCLA requirement to evaluate remedy protectiveness
- Will include information contained in the annual inspection reports
- Will adhere to current EPA guidance
- The next 5-year review will be completed in 2006

Response to Focus Area Session Input

- Input from Focus Area sessions will be recorded but specific responses will not be developed after each session. However, responses will be adopted and included either in the revised draft *Long-Term Stewardship Plan* or in a response summary that will identify why the comment is not being adopted. If a response summary is prepared, it will be distributed with the revised draft *Long-Term Stewardship Plan*.

Timetable

September 10, 2002	Comments due on draft <i>Long-Term Stewardship Plan</i> for the Weldon Spring Site
October 10, 2002	Responses to comments posted on Internet at www.gjo.doe.gov/programs/ltsm/maps/mo-i.htm and mailed to requesters
October 23, 2002	Focus Area Work Session: Communication and Public Participation
December 5, 2002	Focus Area Work Session: Land Use and Institutional Controls and Homeland Security
January 30, 2003	Weldon Spring LTSM Program website <ul style="list-style-type: none">– On-line viewing of all site documents listed in the Weldon Spring <i>Long-Term Stewardship Plan</i> and key documents contained in the completed Administrative Records– On-line viewing of historical water-quality and water-level data for existing wells
February 5, 2003	Focus Area Work Session: Monitoring and Maintenance
May 2003	Issue revised draft <i>Long-Term Stewardship Plan</i>
Spring 2003	Issue Proposed Plan for the Ground Water Operable Unit
Fiscal Year 2003	Add key Weldon Spring documents to the LTSM Program website

Points of Contact

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